

## **ABSTRACT OF THE INVENTION**

A method as provided for occluding the vasculature of a patient. The method comprises the steps of providing a plurality of embolic coils having a textured surface. The embolic coils are introduced into the patient's vasculature. In this manner, the textured surface provides improved platelet adhesion compared to a non-textured surface, to promote clotting. In the illustrative embodiment, the embolic coil comprises a platinum-tungsten alloy wire and the texturing is performed by abrasion or sandblasting to provide substantially uniform roughness comprising pockets having diameters of about 0.125 microns to about fifty microns and depths of about 0.25 microns to about twenty microns.

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